

MCAQ Compliance Inspection Checklist – Construction Aggregate Processing/Quarries

Industry Overview: The construction aggregate industry covers a range of material processing activities within the nonmetallic minerals classification. Operations and processes include mineral extraction from the earth, loading, unloading, conveying, crushing, screening and loadout. Uncontrolled construction aggregate processing can produce nuisance problems and can have an effect upon attainment of ambient particulate standards. However, the large particles produced often can be controlled readily. Some of the individual operations such as wet crushing and grinding, washing, and screening can take place with high moisture present. Such wet processes should not generate appreciable emissions.

Pollutants of concern: TSP, PM-10, PM-2.5

Note: Refer to Specific Conditions and Limitations in the permit for additional inspection checkpoints

Inspection Points	Inspected?		Results and Comments
	Yes	No	
A. VE Observation			
1. Perform Method 9 analysis. (Minimum observation time is 10 minutes.) If, after 10 minutes, no exceedance of the opacity standard has been noted, the Method 9 observation may end. If an exceedance is noted, the MCAQ inspector should continue the Method 9 observation until a violation is determined or compliance is demonstrated. Note: Fugitive emissions at crushers are most apparent at crusher feed and discharge points. Make sure to separate fugitive emission opacity from water mist generated by wet suppression systems.			
B. Plant Capacity & Configuration			
1. Confirm maximum plant production capacity.			
2. Verify how production capacity is determined (e.g. primary crusher rate).			
3. Confirm whether plant configuration has changed.			
4. Confirm if any equipment is portable.			
5. Verify there are no other processes/equipment on site not listed on the permit.			
6. Verify power source.			
7. Verify stack parameters comply with modeled limits - if applicable.			
C. Crushers, Screens, Conveyors			
1. Confirm use of wet suppression for crushing operations.			
2. Confirm residual wet suppression is sufficient dust control for screens and conveyors.			

Inspection Points	Inspected?		Results and Comments
	Yes	No	
D. NSPS Subpart OOO Requirements			
1. Confirm compliance with PM standards for affected sources.			
2. Confirm initial performance test has been conducted for each affected facility			
3. For affected facilities (each crusher, screening operation, belt conveyer) that construction/modification commenced on or after April 22, 2008 , confirm inspection records are kept monthly for spray nozzles or upstream spray nozzles if claiming residual wet suppression. Records should include the date of each inspection and any corrective action taken.			
E. Fugitive Emissions			
1. Check status of fugitive dust complaints and/or fugitive dust plan.			
2. Check property surroundings for dust (e.g. vegetation, parked cars).			
3. Check fugitive emissions from haul roads, heavy equipment, etc.			
4. Check fugitive emission capture or control methods/systems.			
5. Check that no fugitive emissions are extending beyond the property line.			
F. Records Review			
1. Confirm compliance with notification, reporting, and recordkeeping requirements.			
2. Confirm proper applicability and designation of affected emission sources.			
3. Confirm compliance with performance testing requirements.			

Notes:

Name / Date